BAREMETAL ETHERNET TRANSPORT LIBRARY

Release Notes

Applies to Product Release: 01.00.00.03
Publication Date: January 8, 2014

TEXAS INSTRUMENTS

Contents

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Overview

This document provides the release information for the latest BareMetalEthernetTransport (BMET) library under the transport which can be used by application & consumer libraries that interfaces with multiple consumers and a single producer.

Library includes:

- Compiled library (Big and Little) Endian of consumer framework.
- Source code.
- API reference guide

Library Dependencies

Library is dependent on following external components:

- CSL (delivered in PDK package)

New/Updated Features and Quality

This is an **engineering release**, tested by the development team.

Release 1.0.0.2

o Bug fixes as in Table 1.

Release 1.0.0.2

o IRs resolved

IR Parent/ Child Number	Severity Level	IR Description
SDOCM00092342	S3-Minor	BMET_ETH: The SGMII Port configuration for setting the PSFlags in the descriptor is wrong
SDOCM00092349	S2-Major	TraceFramework: should have a OSAL calls for exception handling

Release 1.0.0.1

o Added Remote UDP port configuration in the configuration

Release 1.0.0.0

o Initial release of low level driver

Resolved Incident Reports (IR)

Table 1 provides information on IR resolutions incorporated into this release.

Table 1   Resolved IRs for this Release

IR Parent/ Child Number	Severity Level	IR Description
SDOCM00105898	S3-Major	Bare Metal Eth Transport: Does not free up all the descriptors taken from the system during destroy

Known Issues/Limitations

IR Parent/ Child Number	Severity Level	IR Description

Licensing

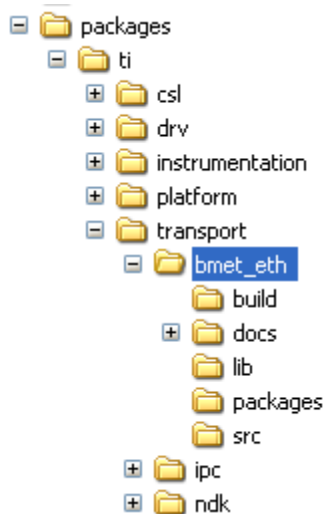Please refer to the software Manifest document for the details.

Delivery Package

There is no separate delivery package. The BMET Ethernet library is being delivered as part of PDK.

Installation Instructions

The library is currently bundled as part of Platform Development Kit (PDK). Refer installation instruction to the release notes provided for PDK.

Directory structure

The following is the directory structure after the consumer library package has been installed:

The following table explains each individual directory:

Directory Name	Description
ti/transport/bmet_eth	The top level directory contains the following:- 1. *XDC Build and Package files* These files (config.bld, package.xdc etc) are the XDC build files which are used to create the library package. 2. *Exported Driver header file* Header files which are provided by the library and should be used by the application developers for library customization and usage.
ti/transport/bmet_eth/build	The directory contains internal XDC build related files which are used to create the library package.
ti/transport/bmet_eth/docs	The directory contains the library documentation.
ti/transport/bmet_eth/lib	The "lib" folder has pre-built Big and Little Endian libraries for the library along with their *code/data size information*.
ti/transport/bmet_eth/package	Internal package files.
ti/transport/bmet_eth/src	Source code for the library.

Customer Documentation List

Table 2 lists the documents that are accessible through the **/docs** folder on the product installation CD or in the delivery package.

Table 2   Product Documentation included with this Release

Document #	Document Title	File Name
1	API documentation (generated by Doxygen)	docs/ BMET-ETH-APIGuide.chm